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DATA MATRIX (NEW STUDIES)

Date August 28, 2017

EPA Reg. No./File Symbol 71297-6

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Applicant's/Registrant's Name and Address: AgroFresh, Inc
400 Arcola Road, PO Box 7000, Collegeville PA 19426

Product	AFxRD-038
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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

870.1300

Slomina, M., AFxRD-038: Acute Inhalation Toxicity Study in Rats, Report No. AF-17-037, 24Aug17

AgroFresh Inc.

Own

Signature

Name and Title:

Ann Beaulieu
Director, Regulatory Affairs

Date _____

August 28, 2017



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Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

			AgroFresh Inc.	Own	

17.08.00

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DATA MATRIX (Previously Submitted Studies)

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. 400 Arcola Road, PO Box 7000, Collegeville PA 19426		Product AFxRD-038
Active Ingredient: 1-Methylcyclopropene		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 830 Group A	J. C. Crawford; Product Chemistry Series 830 Group A: Product Identity, Composition, and Analysis of 1-MCP Formulation; Rohm and Haas Report APR-01-068; 17May01	45458601	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
Series 830 Group A	W. Hu; GLP Validation of Test Method TM-2000-245-01; Rohm and Haas Report APR-01-017; 19Mar01	45458602	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
Series 830 Group B	J. C. Crawford; Product Chemistry Series 830 Group B: Physical and Chemical Characteristics of 1-MCP Formulation; Rohm and Haas Report APR-01-069; 27Apr01	45458603	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
Series 830 Group A – Product Chemistry	E. Kostansek; Product Chemistry AFxRD-038 Formulation, Report No. AF-06-010, 01Feb07	47108205	AgroFresh Inc.	Own	
Series 63 OPPTS series 830	J. Bennick; EthylBloc (MCP): Product Chemistry for Non-Combustible End-Use Solids; Stillmeadow Inc. Study No. 3454-97; 11Nov97.	44517004	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
OPPTS 830	A. Roberts; Physical and Chemical Properties of EthylBloc - Part II; BTH; 27May98.	44567601	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
151-10 151-16	A. Roberts; Manufacturing Process and Certified Limits for EthylBloc® - Supplemental Data; 13Jan99	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

OPPTS series 830 OECD 104	M. Weissenfeld, Calculation of the Vapour Pressure of AFxRD-038, Report No. AF-06-001, 18Jan06	47088613	AgroFresh Inc.	Own	
OPPTS series 830 OECD 104	A. Tognucci; Determination of the Vapour Pressure of 1-MCP, Report No. AF-01-190, 08Jan02	47088614	AgroFresh Inc.	Own	
OPPTS 830.1700	N. M. Mallipudi; GLP Characterization of Five Representative Lots of AFxRD-038 Formulation, Report No. AF-06-083, 15Dec06	47108202	AgroFresh Inc.	Own	
OPPTS 830.6303, 6303, and 6304	M. Weissenfeld; Determination of Colour, Physical State and Odour of AFxRD-038, Report No. AF-05-032, 25Jan06	47088601	AgroFresh Inc.	Own	
OPPTS 830.6313 and 6320	K. Kurilla; Accelerated Storage Stability of 1-Methylcyclopropene Formulation AFxRD-038, Report No. AF-06-077, 15Dec06	47088602	AgroFresh Inc.	Own	
OPPTS 830.6315	A. Tognucci, Determination of the Flammability of 1-MCP Formulation, Report No. AF-01-153, 08Jan02	47024942	AgroFresh Inc.	Own	
OPPTS 830.6317 and 830.6320	Weisel, L., Physical & Chemical Characterization of 3.3% 1-Methylcyclopropene (1-MCP) Formulation: Storage Stability and Corrosion Characteristics after 18 and 24 Months at Room Temperature, Report No. AF-03-013, 19Feb03	47286102	AgroFresh	Own	Submitted to EPA Nov. 19, 2007

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Active Ingredient: 1-Methylcyclopropene		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 830.6317 and 830.6320	Kurilla, K., Verona, D., Interim Report: A 24 Month Study of Storage Stability and Corrosion Characteristics of an AFxRD-038 Formulation 25 ° C, Report No. AF-08-074, 23Jun08	47465301	AgroFresh	Own	Submitted to EPA June 27, 2008
OPPTS 830.7000	M. Weissenfeld; pH-Determination of an Aqueous Solution of AFxRD-038, Report No. AF-05-033, 25Jan06	47088603	AgroFresh Inc.	Own	
OPPTS 830.7050	M. Weissenfeld; Determination of the UV/VIS Absorption Spectrum of AFxRD-038, Report No. AF-05-034, 25Jan06	47088604	AgroFresh Inc.	Own	
OPPTS 830.7050	A. Tognucci; Determination of the UV/VIS Absorption Spectra of 1-MCP, Report No. AF-01-186, 31Jan02	47024907	AgroFresh Inc.	Own	
OPPTS 830.7200 and 7220	M. Weissenfeld; Determination of the Melting Point/Melting Range and the Boiling Point/Boiling Range of AFxRD-038, Report No. AF-05-036, 25Jan06	47088605	AgroFresh Inc.	Own	
OPPTS 830.7300	M. Weissenfeld; Determination of the Bulk Density of AFxRD-038, Report No. AF-05-035, 25Jan06	47088606	AgroFresh Inc.	Own	
OPPTS 830.7520	M. Weissenfeld; Determination of the Particle Size Distribution of AFxRD-038, Report No. AF-05-037, 26Jan06	47088607	AgroFresh Inc.	Own	
OPPTS 830.7840 OECD 105	A. Tognucci; Determination of the Water Solubility of 1-MCP, Report No. AF-01-191, 28Jan02	47088615	AgroFresh Inc.	Own	

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Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

OPPTS 830.7860	M. Weissenfeld; Determination of the Water Solubility of AFxRD-038, Report No. AF-06-031, 02Nov06	47088608	AgroFresh Inc.	Own	
OPPTS 835.1240 OECD 312	A. Mamouni; 14C-1-Methylcyclopropene: Leaching in Four Soils, Report No. AF-06-081, 18Dec06	47108204	AgroFresh Inc.	Own	
OPPTS 835.2120 OECD 111	A. Tognucci; Hydrolysis Determination of 1-MCP at Different pH Values, Report No. AF-01-188, 28Jan02	47024938	AgroFresh Inc.	Own	
OPPTS 835.3110	E. C. Schaefer and A. I. Siddiqui; 1-Methylcyclopropene (1-MCP): An Evaluation of Ready Biodegradability Using the Die-Away Test Method, Report No. 01RC-0006, 19Oct01	47024912	AgroFresh Inc.	Own	
OPPTS 850.1010	C. A. Sutherland, et al; AFxRD-038: A 48-Hour Static Acute Immobilization Test with the Cladoceran (<i>Daphnia magna</i>), Report No. 05RC-069, 17Feb06	47088609	AgroFresh Inc.	Own	
OPPTS 850.1010	K. R. Drott, et al; 1-Methylcyclopropene: A 48-Hour Static Acute Immobilization Test with the Cladoceran (<i>Daphnia magna</i>), Report No. 01RC-0002, 26Sep01	47024914	AgroFresh Inc.	Own	
OPPTS 850.1075	K. R. Drott, et al; 1-Methylcyclopropene: A 96-Hour Static-Renewal Acute Toxicity test with the Rainbow Trout (<i>Oncorhynchus mykiss</i>), Report No. 01RC-0001, 26Sep01	47024915	AgroFresh Inc.	Own	

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. 400 Arcola Road, PO Box 7000, Collegeville PA 19426	Product AFxRD-038	

Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 850.1075	C. A. Sutherland, et al; AFxRD-038: A 96-Hour Static-Renewal Acute Toxicity Test with the Rainbow Trout (<i>Oncorhynchus mykiss</i>), Report No. 05RC-068, 17Feb06	47088610	AgroFresh Inc.	Own	
OPPTS 850.2100	S. P. Gallagher, J. Beavers; AFxRD-038: An Acute Oral Toxicity Study with the Northern Bobwhite, Report No. 05RC-071, 14Feb06	47024917	AgroFresh Inc.	Own	
OPPTS 850.2200	S. P. Gallagher, J. Beavers; AFxRD-038: A Dietary LC50 Study with the Northern Bobwhite, Report No. 05RC-072, 16Oct06	47024918	AgroFresh Inc	Own	
OPPTS 850.2200	S. P. Gallagher, et al; AFxRD-038: A Dietary LC50 Study with the Mallard, Report No. 06RC-130, 16Oct06	47024919	AgroFresh Inc.	Own	
OPPTS 850.3020	J. R. Porch, H. O. Krueger; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% A.I.): An Acute Toxicity Study with the Honey Bee, Report No. 01RC-0097, 25Sep01	47024920	AgroFresh Inc.	Own	
OPPTS 850.4100 and 4225	JR Porch, et al; AFxRD-038: A Toxicity Test to Determine the Effects of the Test Substance on Seedling Emergence of Ten Species of Plants, report No. 06RC-213, 05Mar07	47088620	AgroFresh Inc.	Own	
OPPTS 850.4150 and 4250	J.R. Porch, et al; AFxRD-038: A Toxicity Test to Determine the Effects of the Test Substance on Vegetative Vigor of Ten Species of Plants, Report No. 06RC-212, 24Jan07	47088619	AgroFresh Inc.	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 850.4225	J. P. Carbone; 1-Methylcyclopropene: Rationale for Waiver of OPPTS 850.4225 Seedling Emergence, Report No. 06R-1052, 14Dec06	47024921	AgroFresh Inc.	Own	
OPPTS 850.4250	J. P. Carbone; 1-Methylcyclopropene: Rationale for Waiver of OPPTS 850.4250 Vegetative Vigor, Report No. 06R-1053, 14Dec06	47024922	AgroFresh Inc.	Own	
OPPTS 850.5400	H. O. Krueger, et al; AFxRD-038: A 96-Hour Toxicity Test with the Freshwater Alga (Pseudokirchneriella Subcapitata), Report No. 05RC-070, 28April06	47024923	AgroFresh Inc.	Own	
OPPTS 850.5400	K. R. Drott, et al; 1-Methylcyclopropene: A 96-Hour Toxicity Test with the Freshwater Alga, Report No. 01RC-0003, 26Sep01	47024924	AgroFresh Inc.	Own	
OPPTS 860.1300	A. Mamouni; 14C-1-Methylcyclopropene: Residues in Maize, Report No. AF-06-079, 18Dec06	47088611	AgroFresh Inc.	Own	
OPPTS 860.1300	D. Verona; Environmental Fate of 1-MCP when Applied Pre-Harvest to Tomato Plants, Report No. AF-06-084, 05Feb07	47108203	AgroFresh Inc.	Own	
OPPTS 860.1300	J. Rosenwald; 14C-1-Methylcyclopropene: Residue in Apple, Report No. AF-06-080, 20Dec06	47088612	AgroFresh Inc.	Own	
OPPTS 860.1300	J. Rosenwald; 14C-1-Methylcyclopropene: Characterization of Residues in Maize Grown Under Field Conditions in Switzerland, Report No. AF-07-064, 29Apr08	47515001	AgroFresh Inc.	Own	
OPPTS 860.1300	Mallipudi, N.M., Residues and Characterization of 14C 1-Methylcyclopropene Derived Residues in Soybean Under Field Conditions, Report No. AF-07-058, 9Nov07	47515002	AgroFresh Inc.	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1300	Verona, D., 14C-1-Methylcyclopropene (1-MCP) Residue in Cotton under Field Conditions: Determination of TRR and Characterization of 1-MCP Residues in Cotton, Report No. AF-08-064, 26Jun08	47515003	AgroFresh Inc.	Own	
OPPTS 860.1300	D. Verona; C14-1-Methylcyclopropene (1-MCP) Apple Residue Study; Rohm and Haas Report AF-01-141; 12Dec01	45609002	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
171-4 OPPTS 860.1300	D. J. Verona; 14C-1-Methylcyclopropene (1-MCP) Preliminary Results of 14C-Residues in Apples; Rohm and Haas Report TR 34-01-30; 05Apr01	45380309	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
OPPTS 870.1100	G. E. Moore; AFxRD-038: Acute Oral Toxicity Up and Down Procedure in Rats, Report No. 05RC-064, 9Jan06	47024928	AgroFresh Inc.	Own	
152-10 OPPTS 870.1100	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Oral Toxicity Study in Male and Female Rats; Rohm and Haas Report 00R-199; 08Feb01	45380308	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
OPPTS 870.1100	D. R. Cervan (mistakenly submitted as Vervan); Acute Oral Toxicity/LD50 in Rats. Study conducted using SmartFresh™ Tablets, Report No. 02RC-010, 28May02	45843902	AgroFresh Inc., a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 21Jan03

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 870.1200	G. E. Moore; AFxRD-038: Acute Dermal Toxicity Study in Rats – Limit Test, Report No. 05RC-065, 9Jan06	47024929	AgroFresh Inc.	Own	
152-11 OPPTS 870.1200	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Acute Dermal Toxicity Study in Male and Female Rats; Rohm and Haas Report 00R-200; 08Feb01	45458604	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
OPPTS 870.1300	J. S. Ferguson, 1-Methylcyclopropene Two-Week Inhalation Range-Finding Study in Male Rats, Report No. 00R-183B, 12Dec01	47024934	AgroFresh Inc.	Own	
152-12 OPPTS 870.1300	J. S. Ferguson, L. P. Craig, and H. J. Bernacki; 1-Methylcyclopropene: Acute Inhalation Toxicity Study in Rats; Rohm and Haas Report 00R-180; 08Feb01	45380301	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
OPPTS 870.1300	G. E. Moore; AFxRD-038: Primary Eye Irritation Study in Rabbits, Report No. 05RC-067, 9Jan06	47024930	AgroFresh Inc	Own	
152-13 OPPTS 870.2400	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Eye Irritation Study in Rabbits; Rohm and Haas Report 00R-202; 08Feb01	45458606	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
OPPTS 870.2500	G. E. Moore; AFxRD-038: Primary Skin Irritation Study in Rabbits, Report No. 05RC-066, 9Jan06	47024931	AgroFresh Inc	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
152-14 OPPTS 870.2500	J. R. Parno, L. P. Craig, and S. L. Eberly; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Skin Irritation Study in Rabbits; Rohm and Haas Report 00R-201; 08Feb01	45458605	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
152-15 OPPTS 870.2600	J. R. Parno, D. M. Anderson, and T. L. Danberry; 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Dermal Sensitization Study in Guinea Pigs - Maximization Test; Rohm and Haas Report 00R-203; 07Feb 01	45458607	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
OPPTS 870.3465	J. S. Ferguson, E. M. Anderson, H. J. Bernacki, Jr.; 1-Methylcyclopropene: 3-month Inhalation (Whole Body) Toxicity Study in Rats; Rohm and Haas Report 00R-183; 19Oct01	45609001	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
152-23 OPPTS 870.3700	S. L. Wood, L. P. Craig, H. J. Bernacki, and T. L. Danbury; 1-Methylcyclopropene: Inhalation (Whole Body) Developmental Toxicity Study in Rats; Rohm and Haas Report OOR-181;	45458608	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 28Jun01
84-2 OPPTS 870.5100	J. Prezioso; MCP <i>Salmonella Typhimurium</i> Reverse Mutation Assay - FIFRA; Toxikon Corp. Study No. 96G-2139; 13Dec96.	44464709	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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DATA MATRIX (Previously Submitted Studies)

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. 400 Arcola Road, PO Box 7000, Collegeville PA 19426		Product AFxRD-038

Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
84-2 OPPTS 870.5100	M. Cifone; Mutagenicity Test on MCP in the L5178Y TK +/- Mouse Lymphoma Forward Mutation Assay; Covance Study No. 18384-0-431; 10Jul97.	44464710	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2 OPPTS 870.5100	J. Ivett; Mutagenicity Test on MCP in an <i>In Vivo</i> Mouse Micronucleus Assay; Covance Study No. 18384-0-455; 23May97	44464711	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
84-2 OPPTS 870.5100	P. J. O'Neill and C. B. Frederick; 1-Methylcyclopropene Vapor Released from 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): <i>Salmonella typhimurium</i> Gene Mutation Assay; Rohm and Haas Report 00R-193A; 27Feb01	45380302	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
84-2 OPPTS 870.5300	M. A. Cifone; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): CHO HGPRT Forward Mutation Assay with a Confirmatory Assay and Duplicate Cultures; Rohm and Haas Report 00RC-195; 27Mar01	45380303	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. 400 Arcola Road, PO Box 7000, Collegeville PA 19426		Product AFxRD-038			
Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

84-2 OPPTS 870.5375	H. Murli; 1-Methylcyclopropene Vapor Released From 1-Methylcyclopropene Alpha-Cyclodextrin Complex (3.3% a.i.): Chromosomal Aberrations in Cultured Human Peripheral Blood Lymphocytes; <i>In Vitro</i> Cytogenetic Study in Human Lymphocytes; Rohm and Haas Report 00RC-194; 14Mar01	45380304	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
84-2 OPPTS 870.5395	J. L. Sames and C. B. Frederick; 1-Methylcyclopropene: Micronucleus Assay in CD-1 Mouse Bone Marrow Cells; Rohm and Haas Report 00R-232; 05Feb01	45380305	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
OPPTS 870.7485 OECD 417	G. A. Hazelton, R. E. Swenson; 14C-1-Methylcyclopropene: Toxicokinetic Study in Rats, Report No. 01R-004E, 31Jan07	47088616	AgroFresh Inc.	Own	
Not Applicable	V. A. Nave; Dermal Sensitization Potential of AFxRD-038: Rationale to Use Surrogate Toxicology Data, Report No. 06R-1048, 19Oct06	47024932	AgroFresh Inc.	Own	
Not Applicable	V. A. Nave; Acute Inhalation Potential of AFxRD-038: Rationale to Use Surrogate Toxicology Data, Report No. 06R-1011, 09Mar06	47024933	AgroFresh Inc.	Own	
Series 151-10 OPPTS 880.1100	B. Kourelis; Manufacturing Process for Methylcyclopropene (MCP); BTH Document No. 2; Sep97.	44464701	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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Applicant's/Registrant's Name and Address: AgroFresh, Inc. 400 Arcola Road, PO Box 7000, Collegeville PA 19426	Product AFxRD-038	

Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 880.4350	K. Nienstedt, 1-Methylcyclopropene: Toxicity Test with the Parasitic Wasp, Aphidius Rhopalosiphii (Hymenoptera: Braconidae), Report No. 01RC-0283, 15Apr02	47024941	AgroFresh Inc.	Own	
OPPTS 880.4350	K. Nienstedt; 1-Methylcyclopropene: Laboratory Toxicity Test with the Predatory Mite, Typhlodromus Pyri Scheuten (Acari: Phytoseiidae), Report No. 01RC-0282, 15Apr02	47088617	AgroFresh Inc.	Own	
Not Applicable	K. Nienstedt, 1-Methylcyclopropene: A 14-Day Acute Toxicity Test with the Earthworm Eisenia Fetida, Report No. 01RC-0284, 15Apr02	47024944	AgroFresh Inc.	Own	
OPPTS 880.4350	K. Nienstedt; AFxRD-038: Laboratory Acute Toxicity Test with the Parasitic Wasp, Aphidius Rhopalosiphii (Hymenoptera: Braconidae), Report No. 06-RC-193, 15Dec06	47024946	AgroFresh Inc.	Own	
Not Applicable	K. Nienstedt; AFxRD-038: Laboratory Acute Toxicity Test with Peocilus Cupreus L. (Coleoptera: Carabidae), Report No. 06RC-195, 15Dec06	47024947	AgroFresh Inc.	Own	
Not Applicable	E. J. Esdaile, 1-Methylcyclopropene: Structure-Activity Hazard Identification Screen Using DEREK, Report No. 05R-1088, 08Sep05	47088618	AgroFresh Inc.	Own	
Not Applicable	J. Carbone; Pre-harvest Use of 1-Methylcyclopropene on Agricultural Crops: Environmental Risk Assessment, Report No. 06R-1056, 14Dec06	47024949	AgroFresh Inc.	Own	
Not Applicable	V. A. Nave; 1-Methylcyclopropene: Rationale for Waiver of OPPTS 880.3550 Immunotoxicity, Report No. 06R-1050, 10Nov06	47024950	AgroFresh Inc.	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Not Applicable	J. M. Rodriguez; Atmospheric Fate of 1-Methylcyclopropene, Report No. 01RC-1017, 07Aug01	47108206	AgroFresh Inc.	Own	
Not Applicable	A. J. Hynes; A laser Photolysis – Laser Induced Fluorescence Determination of the Rate Coefficient for the Reaction of the Hydroxyl Radical with 1-Methylcyclopropene, Report No. 01RC-1016, 07Aug01	47108207	AgroFresh Inc.	Own	
Not Applicable	D. Verona, et al; GLP Validation of the GC/FID Method for the Determination of 1-MCP in SmartFresh™ and AFxRD-038 Formulations using cis-2-Butene as a Calibration/Internal Standard, Report No.AF-06-078, 19Feb07	47108208	AgroFresh Inc.	Own	
Not Applicable	G. A. Hazelton, et al; Pre-Harvest Use of 1-Methylcyclopropene on Agricultural Crops: Toxicology Summary and Assessment of Worker, Bystander and Consumer Risks, Report No. 06-R-1055, 15Dec06	47024954	AgroFresh Inc.	Own	
40 CFR 160.105	N. M. Mallipudi; Analysis of Pure cis-2-Butene and Assignment of Purity: Aldrich Batch # 11620DE, Report No. AF-06-073, 01Feb07	47108201	AgroFresh Inc.	Own	
Series 151A-10 OPPTS 885.1100	J. Daly; Product Identity and Disclosure of Ingredients for 1-MethylCyclopropene (MCP); BioTechnologies for Horticulture, Inc. (BTH) Document No. 1; 24Oct97.	44517001	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 885.1200 OPPTS 885.1500	A. Roberts; Manufacturing Process and Certified Limits for EthylBloc - Supplemental Data; BTH; 13Jan99.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151A-12	J. Daly; Discussion of the Formation of Unintentional Ingredients in EthylBloc: Methyl- cyclopropene (MCP); BTH Document No. 3; Sep97.	44517002	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151A-13 OPPTS 885.1400	B. Kourelis; Preliminary Analysis of Methyl- cyclopropene (MCP); BTH Document No. 4; Nov97.	44464702	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 151-16 OPPTS 885.1500	J. Daly; Analytical Method for Certified Limits of Methylcyclopropene (MCP); BTH Document No. 6; Oct97.	44464703	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-10) OPPTS 885.3050	R. Pfeifer; MCP Acute Oral Toxicity Study; Toxikon Corp. Study No. 96G-2085; 31Dec96.	44464704	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-11) OPPTS 885.3100	R. Pfeifer; MCP Acute Dermal Toxicity Study (Single Exposure); Toxikon Corp. Study No. 96G-2086; 30Jan97.	44464705	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-12 OPPTS 885.3150	J. Bennick; EthylBloc (MCP): Acute Inhalation Toxicity Study in Rats; Stillmeadow Inc. Study No. 3333-97; 10Sep97.	44464706	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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Active Ingredient: 1-Methylcyclopropene

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
40 CFR Part 158.690 (152-13)	J. Prezioso; MCP Primary Eye Irritation Study; Toxikon Corp. Study No. 96G-2089; 13Dec96.	44464707	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
40 CFR Part 158.690 (152-14)	R. Pfeifer; MCP Primary Dermal Irritation Study; Toxikon Corp. Study No. 96G-2088; 13Dec96	44464708	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-15 OPPTS 885.3400	R. Pfeifer; MCP Buehler Sensitization Test; Toxikon Corp. Study No. 96G-2087; 31Dec96	44517005	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-15 OPPTS 885.3400	A. Roberts/TSG to D. Benmhend/EPA; 27May98; missing pages 29-42 for R. Pfeifer; MCP Buehler Sensitization Test; Toxikon Corp. Study No. 96G-2087; 31Dec96.	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-16 OPPTS 885.3400	J. Daly; Hypersensitivity Incidents Report for Methylcyclopropene (MCP); BTH Document No. 14; Oct97.	44517006	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
Series 152A-15 OPPTS 885.3400	J. Daly; Certification of Ingredient Limits for Ethylbloc™; BTH Document No. 5; Nov97	44517003	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	
152-16 OPPTS 885.3400	A.Roberts/TSG to D. Benmhend/EPA; 27May98; corrected Statement of No Data Confidentiality Claims for J. Daly; Hypersensitivity Incidents Report for	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	

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Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Methylcyclopropene (MCP); BTH Document No. 14; Oct97.				
Not Applicable	G. Hazelton; Petition for an Exemption from the Requirement of Tolerances for Residues of 1-Methylcyclopropene on Food Commodities; Report 00R-1012; 04Apr00	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
Not Applicable	S. Longacre; Rationale for Waivers of Study Requirements for Registration of 1-Methylcyclopropene on Post-Harvest Fruits and Vegetables; Report AGREG-00-02; 04Apr00	Not Known	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
PR Notice 97-1	S. Longacre; 1-Methylcyclopropene on Post Harvest Fruits and Vegetables; An Assessment of the Risk Criteria Established in the Food Quality Protection Act [FQPA] Supporting an Exemption from the Requirement of Tolerances for BioTechnologies for Horticulture, Inc. Pesticide Petition - Unassigned (1-Methylcyclopropene on Post-Harvest Fruits and Vegetables); Report AGREG-00-01; 05Apr00	45089601	AgroFresh, Inc. (formerly BioTechnologies for Horticulture, Inc.)	Own	Document submitted to EPA 06Apr00
Not Applicable	W.D. Shade; 1-Methylcyclopropene (1-MCP): Industrial Source Complex (ISCST3) Dispersion Modeling of Air Emissions from Controlled Atmosphere Facilities; Report 00R-1066; 17Jan01	45317101	AgroFresh, Inc./Rohm and Haas Company	Own	Document submitted to EPA 29Jan01

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Active Ingredient: 1-Methylcyclopropene					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
None	S. L. Longacre and G. A. Hazelton; 1-Methylcyclopropene (1-MCP) Dietary and Worker Risk Assessment; Rohm and Haas Report AGREG-01-01; 05Apr01	45380307	AgroFresh, Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 06Apr01
Not Applicable	B. A. Snyder, B. M. Stevens; Determination of 3-Chloro-2-Methylpropene Concentration in Chamber Treated with 1-Methylcyclopropene; Rohm and Haas Report AF-01-143; 4Dec01	45609003	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
Not Applicable	G. A. Hazelton; 1-Methylcyclopropene (1-MCP): Assessment of Worker and Consumer Risk; Rohm and Haas Report 01R-1071, 26Nov01	45609004	AgroFresh Inc.; a subsidiary of Rohm and Haas Company	Own	Study submitted to EPA 14Dec01
Not applicable	Espino, P., Process Safety Test Results and Interpretation for Methylcyclopropene, Report No. RO2685AR, 9Aug00	47286101	AgroFresh Inc.	Own	Submitted to EPA Nov., 19, 2007

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